



Attorney Docket No. 1046.1001C2D3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Tomonobu TAKASHIMA et al.

Confirmation No. 5393

Application No.: 10/680,178

Group Art Unit: 2616

Filed: October 8, 2003

Examiner: A. Hsu

For: CELL MULTIPLEXING APPARATUS HANDLING MULTIPLE ITEMS OF INFORMATION

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure provisions of 37 CFR § 1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application.

1. Enclosures accompanying this Information Disclosure Statement are:

- 1a. ☒ Form PTO-1449.
- 1b. ☒ Copy(ies) of IDS citation(s), except for U.S. Patents and U.S. Patent Application publications.
- 1c. ☐ English language copy of a communication(s) from a foreign Patent Office or a PCT International Search Report.
- 1d. ☐ English language translation (complete, Abstract or relevant portion(s)) attached to non-English language publications as indicated on the attached Form PTO-1449.
- 1e. ☐ Explanations of Relevancy of References (ATTACHMENT 1(e), hereto) for providing a concise explanation of non-English publications.
- 1f. ☒ List of Copending Applications (ATTACHMENT 1(f), hereto).
- 1g. ☐ List of Additional Submitted Documents (ATTACHMENT 1(g), hereto).

2. ☒ This Information Disclosure Statement is filed under 37 CFR § 1.97(b):

(Check either Item 2a or 2b or 2c or 2d)

- 2a. ☒ Within three months of the filing date of a national application;
- 2b. ☐ Within three months of the date of entry of the national stage as set forth in § 1.491 in an international application.
- 2c. ☐ Before the mailing of a first Office Action on the merits; or
- 2d. ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114.

3. ☐ This Information Disclosure Statement is filed under 37 CFR § 1.97(c) after the period specified in paragraph 2 above but before the mailing date of any of a Final Office Action under § 1.113, a Notice of Allowance under § 1.311 or an action that otherwise closes prosecution in the application, AND
- (Check either Item 3a or 3b; Item 3b to be checked if any reference known for more than 3 months)*
- 3a. ☐ The § 1.97(e) Statement in Item 5 below is applicable; OR
- 3b. ☐ The \$180.00 fee set forth in 37 CFR § 1.17(p) is:
- ☐ enclosed.
- ☐ to be charged to Deposit Account No. 19-3935.
4. ☐ This Information Disclosure Statement is filed under 37 CFR § 1.97(d) after the period specified in paragraph 3 above, but on or before payment of the Issue Fee, AND
- 4a. ☐ The § 1.97(e) Statement in Item 5 below is applicable; AND
- 4b. ☐ The \$180.00 fee set forth in 37 CFR § 1.17(p) is:
- ☐ enclosed.
- ☐ to be charged to Deposit Account No. 19-3935.
5. ☐ Statement under § 1.97(e) *(applicable if Item 3a or Item 4a is checked)*
- (Check either Item 5a or 5b)*
- 5a. ☐ In accordance with 37 CFR § 1.97(e)(1), it is stated that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
- 5b. ☐ In accordance with 37 CFR § 1.97(e)(2), it is stated that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known by any individual designated in § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.
6. ☐ This is a continuation/divisional/continuation-in-part application under 37 CFR § 1.53(b).
- (Check appropriate Items 6a and/or 6b)*
- 6a. ☐ Copies of the publications listed on the attached Form PTO-1449 which were previously cited in prior application Serial No. \_\_\_, filed on \_\_\_, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. § 120, have been omitted pursuant to 37 CFR § 1.98(d).
- 6b. ☐ Copies of the publications listed on the attached Form PTO-1449 which were not previously cited in prior application Serial No. \_\_\_, filed on \_\_\_, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. § 120, are provided herewith.

7. ☐ This is a Request for Continued Examination under 37 CFR § 1.114.  
(Check either Item 7a or 7b)
- 7a. ☐ The Issue Fee has not been paid.
- 7b. ☐ A Petition to Withdraw from issue under 37 CFR § 1.313(c) is filed concurrently herewith or has been granted. A Request for Continued Examination under 37 CFR § 1.114, after payment of the Issue Fee, is proper in accordance with 37 CFR § 1.114(a), respectively.
8. ☒ This is a Supplemental Information Disclosure Statement.  
(Check either Item 8a or 8b)
- 8a. ☒ This Supplemental Information Disclosure Statement under 37 CFR § 1.97(f) supplements the Information Disclosure Statement filed on October 8, 2003. A bona fide attempt was made to comply with 37 CFR § 1.98, but inadvertent errors were made. In particular, U.S. reference No. 5,087,045 was incorrectly cited in this IDS. The Examiner should omit it from consideration. Also, reference No. 5,513,458 was incorrectly cited on the PTO-1449 Form and is now cited correctly. These errors have been corrected herein. Accordingly, additional time is requested so that this Supplemental IDS can be considered as if properly filed on October 8, 2006.
- 8b. ☐ This Supplemental Information Disclosure Statement is timely filed within one (1) month of the Notice under 37 CFR §§ 1.97 and 1.98, mailed \_\_\_\_.
9. ☐ In accordance with 37 CFR § 1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is:  
(Check appropriate Items 9a, 9b, 9c and/or 9d)
- 9a. ☐ satisfied for the non-English language publication(s) cited on the enclosed "English language version of the search report or action which indicates the degree of relevance found by the foreign office". (See MPEP § 609, Minimum Requirements for an Information Disclosure Statement, Part A(3): Concise Explanation of Relevance, 8th Ed., Rev. 2)
- 9b. ☐ set forth in the application.
- 9c. ☐ satisfied for the non-English language publication(s) indicated on the attached Form PTO-1449 as having an English language translation (complete or relevant portion(s)) attached thereto.
- 9d. ☐ enclosed as Attachment 1(e), hereto.
10. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith). 37 CFR §§ 1.97(g) and (h).


Serial No.: 10/680,178

11. The Commissioner is authorized to credit any overpayment or charge any additional fee required under 37 CFR § 1.17 for this Information Disclosure Statement to Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Dated: OCT. 20, 2006  
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By:   
Gene M. Garner, II  
Registration No. 34,172



Sheet 1 of 3

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. <b>1046.1001C2D3</b>	APPLICATION NO. <b>To be Assigned</b>
<b>LIST OF REFERENCES CITED BY APPLICANT</b>  <i>(Use several sheets if necessary)</i>		FIRST NAMED INVENTOR <b>Tomonobu TAKASHIMA et al.</b>	
		FILING DATE <b>October 8, 2003</b>	GROUP/ART UNIT <b>2662</b>

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	4,956,839	07/1990	TORII ET AL.			
	AB	4,984,264	01/1991	KATSUBE			
	AC	5,062,106	10/1991	YAMAZAKI ET AL.			
	AD	5,067,123	11/1991	HYODO ET AL.			
	AE	5,084,867	01/1992	TACHIBANA ET AL.			
	AF	5,087,045	04/1991	TSUZUKI			
	AG	5,119,369	06/1992	TANABE ET AL.			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	<u>TRANSLATION</u> YES NO	
	AH	04156193	5/1992	JAPAN				
	AI	04215344	8/1992	JAPAN				
	AJ	4-287536	10/1992	JAPAN				
	AK	4-331530	11/1992	JAPAN				
	AM	5-23643	3/1993	JAPAN				
	AN	5-211523	8/1993	JAPAN				
	AO	5-227197	9/1993	JAPAN				

**OTHER REFERENCES** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	AP	"A Study on Multimedia Communication"
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EXAMINER	DATE CONSIDERED
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**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT  (Use several sheets if necessary)	ATTORNEY DOCKET NO. 1046.1001C2D3	APPLICATION NO. To be Assigned
FIRST NAMED INVENTOR Tomonobu TAKASHIMA et al.		
FILING DATE October 8, 2003		GROUP ART UNIT 2662

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLAS S	SUB- CLASS	FILING DATE
	BA	5,313,458	SUZUKI			
	BB	5,301,189	SCHMIDT ET AL.			
	BC	5,291,486	KOYANAGI			
	BD	5,251,209	JURKEVICH ET AL.			
	BE	5,189,668	TAKATORI ET AL.			
	BF	5,130,984	CISNEROS			
	BG	5,101,404	KUNIMOTO ET AL.			
	BH	4,700,341	HUANG			
	BI	4,569,042	LARSON			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NO.	DATE	COUNTRY	CLAS S	SUB- CLAS S	TRANSLATI ON YES NO
BJ	63082151	04/1988	JAPAN		
BK	61296838	12/1986	JAPAN		
BL	03270488	12/1991	JAPAN		
BM	04078248	3/1992	JAPAN		
BN	04086145	3/1992	JAPAN		
BO					

**OTHER REFERENCES** (Including Author, Title, Date, Pertinent Pages, Etc.)

BP	Hajikano Kazuo et al., "A Study on Connectionless Communication in ATM", Technical Research Report of Electronic Information Communication Meeting SSE90-142 (Mar. 8, 1991).
BQ	William J. Spratt, "Synchronous ATM-An analysis of a Call-Packing Algorithm", Performance Engineering Group, GEC-Plessey Telecommunications Limited, Sopers Lane, Poole, BH17 &EQ pp 2/1-2/7.
BR	William Covington et al., "Voice Transport on an ATM Broadband Network", Bell Communications Research, Mar. 1989, IEEE, pp. 1921-1925.

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



Sheet 3 of 3

FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT  (Use several sheets if necessary)	ATTORNEY DOCKET NO. 1046.1001C2D3	APPLICATION NO. To be Assigned
FIRST NAMED INVENTOR Tomonobu TAKASHIMA et al.		
FILING DATE October 8, 2003		GROUP ART UNIT 2662

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLAS S	SUB- CLASS	FILING DATE
	CA	5,166,926	11/1992	CISNEROS ET AL.			
	CB	5,214,642	05/1993	KUNIMOTO ET AL.			
	CC	5,247,516	09/1993	BERNSTEIN ET AL.			
	CD	5,301,184	04/1994	URIU ET AL.			
	CE	5,311,509	05/1994	HEDDES ET AL.			
	CF	5,287,348	02/1994	SCHMIDT ET AL.			
	CG	5,007,045	04/1991	TSUZUKI			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	COUNTRY	CLAS S	SUB- CLAS S	TRANSLATI ON YES NO
	CH	63-197148	8/1988	JAPAN			
	CI	1-295546	11/1989	JAPAN			
	CJ	03229544	10/1991	JAPAN			

**OTHER REFERENCES** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	CK	
	CL	
	CM	
EXAMINER		DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

**ATTACHMENT 1(f)**

<b>LIST OF COPENING APPLICATIONS</b>	ATTORNEY DOCKET NO.	APPLICATION NO.
	1046.1001C2D3	10/680,178
	FIRST NAMED INVENTOR	
	Tomonobu TAKASHIMA et al.	
	FILING DATE	GROUP ART UNIT
	October 8, 2003	2665

The following, prior-filed, copending U.S. patent application(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application. Pursuant to 37 CFR § 1.98(a)(2)(iii), a copy of the identified copending application(s) is provided, UNLESS DOMESTIC PRIORITY IS CLAIMED THEREON UNDER 35 U.S.C. § 120 AND/OR THE APPLICATION IS PUBLISHED. 37 CFR § 1.98(a)(2)(II),(III) AND 1.98(3)(d)(1).

It is requested that the Examiner acknowledge his consideration of application(s) below-listed by initialling same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application; and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

**U.S. PATENT APPLICATION DOCUMENTS**

*EXAMINER INITIAL		U.S. SERIAL NO.	FILING DATE	NAME	ASSIGNEE
	1	09/467,759	12/19/99	TAKASHIMA et al.	FUJITSU LIMITED
	2	10/356,725	02/03/03	TAKASHIMA et al.	FUJITSU LIMITED
	3				
	4				
	5				
	6				
	7				
	8				

EXAMINER	DATE CONSIDERED
<b>*EXAMINER:</b> Initial if document considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	